

Data Path : U:\HPCHEM1\BNA G\DATA\BG122617\
 Data File : BG031758.D
 Acq On : 26 Dec 2017 12:52
 Operator : SJ/JU
 Sample : I7037-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221-OILY-STONES

Manual Integrations
 APPROVED

Sohil
 12/27/2017 1:56:42 PM

Quant Time: Dec 26 13:34:16 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 11:08:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.81	152	52880	20.00	ng	-0.03
21) Naphthalene-d8	11.70	136	206511	20.00	ng	-0.03
38) Acenaphthene-d10	15.44	164	134534	20.00	ng	-0.03
63) Phenanthrene-d10	18.17	188	353176	20.00	ng	-0.03
75) Chrysene-d12	22.51	240	430167	20.00	ng	-0.06
86) Perylene-d12	26.27	264	453478	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	422263	145.44	ng	-0.02
7) Phenol-d6	7.91	99	471445	125.07	ng	-0.02
23) Nitrobenzene-d5	10.01	82	306279	111.99	ng	-0.03
41) 2,4,6-Tribromophenol	16.91	330	380274	185.25	ng	-0.03
44) 2-Fluorobiphenyl	14.07	172	1080561	100.81	ng	-0.03
78) Terphenyl-d14	20.70	244	2053567	109.07	ng	-0.03
Target Compounds						
31) Naphthalene	11.75	128	1039687	99.758	ng	99
37) 2-Methylnaphthalene	13.30	142	58459	6.919	ng	88
54) Dibenzofuran	15.83	168	35537	2.525	ng	98
57) Fluorene	16.47	166	33085	2.893	ng	98
70) Phenanthrene	18.21	178	57991	2.901	ng	96
72) Carbazole	18.56	167	44877	2.515	ng	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

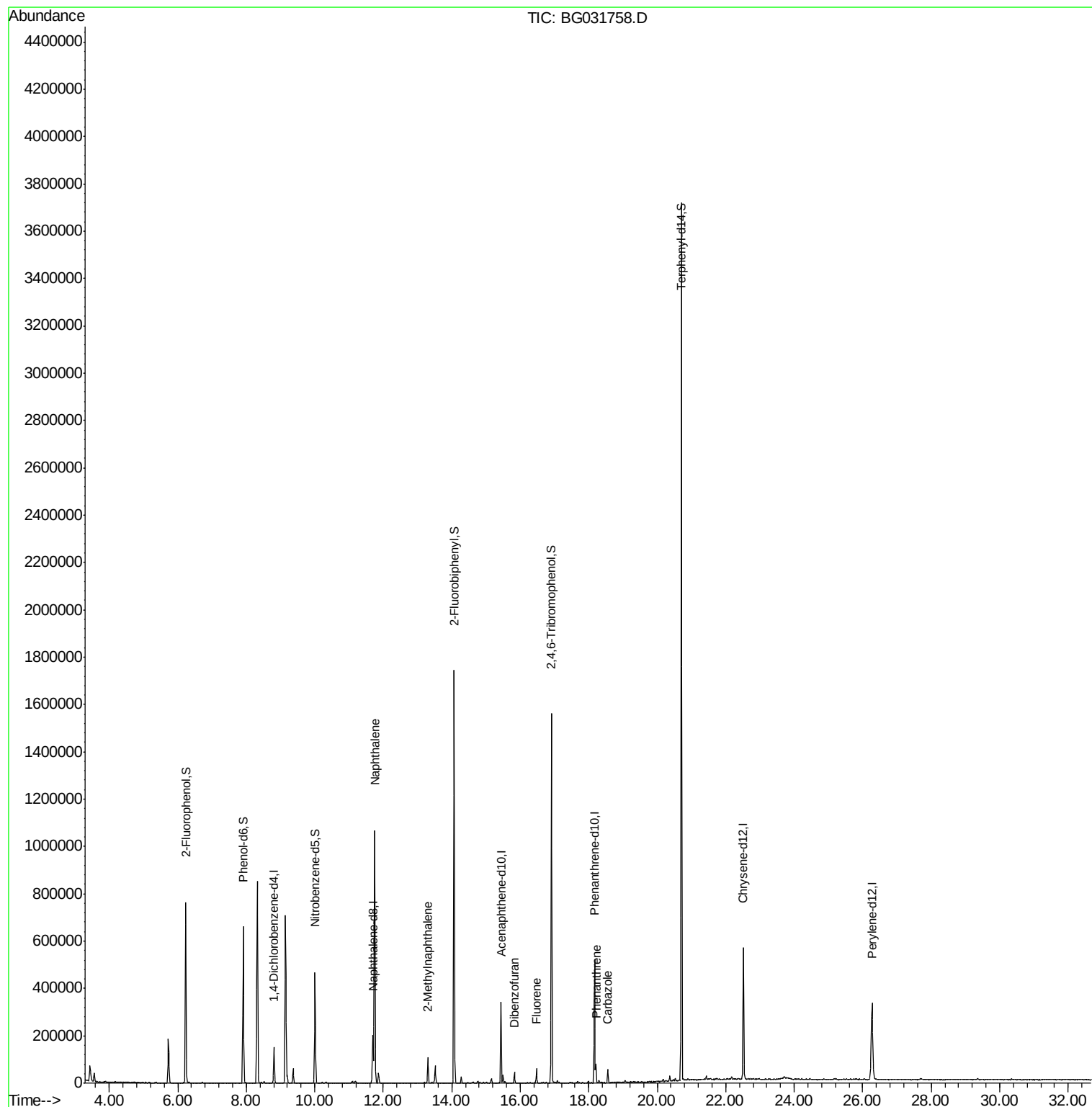
Data Path : U:\HPCHEM1\BNA G\DATA\BG122617\
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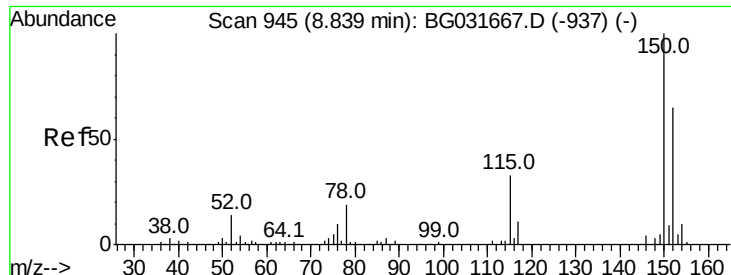
Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Manual Integrations
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12/27/2017 1:56:42 PM

Quant Time: Dec 26 13:34:16 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.81 min Scan# 940

Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Instrument :

BNA_G

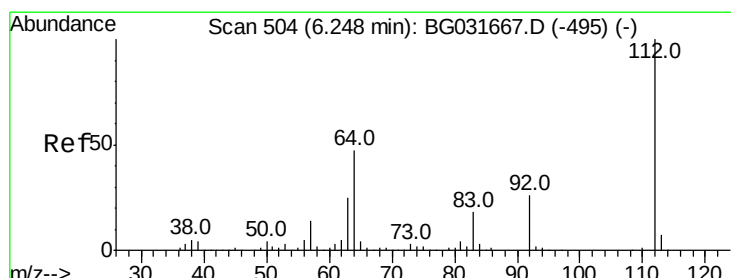
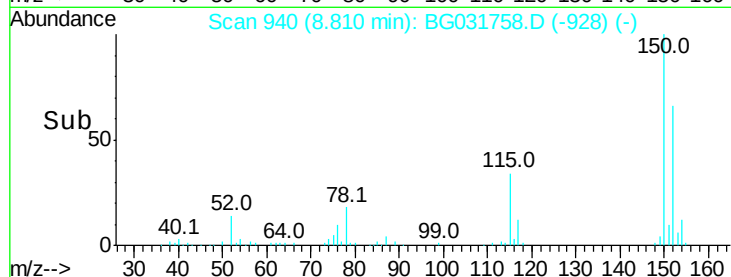
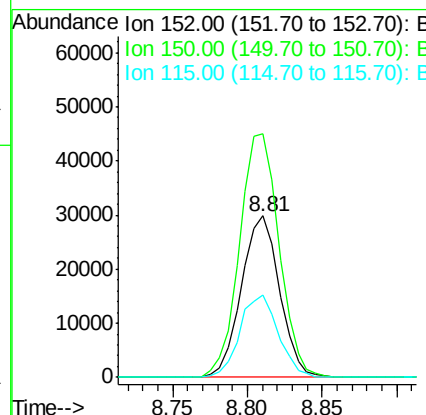
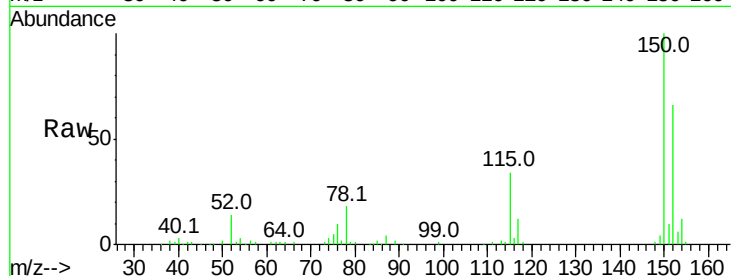
ClientSampleId :

VNJ-221-OILY-STONES

Tot Ion:	152	Resp:	52880
Ion Ratio	Lower	Upper	
152	100		
150	150.8	126.6	189.8
115	50.9	53.0	79.4#

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#5

2-Fluorophenol

Concen: 145.443 ng

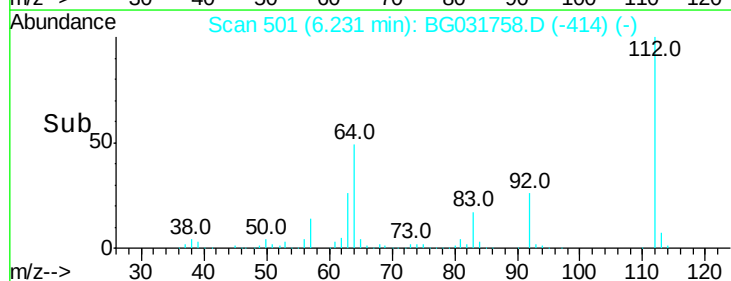
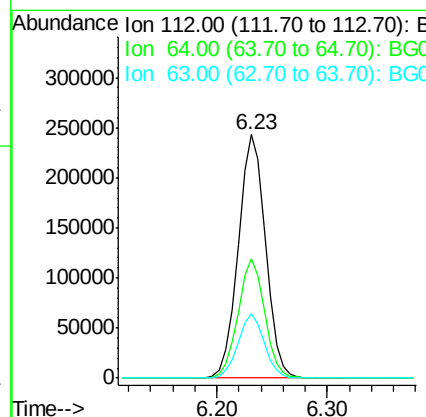
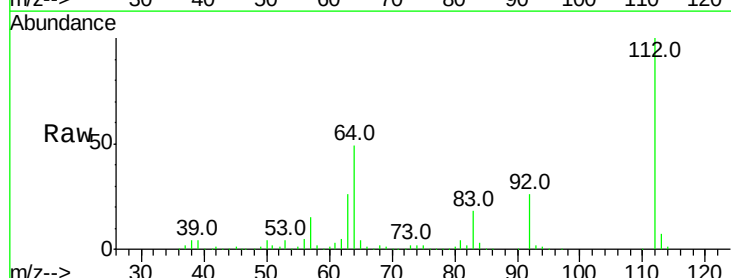
RT: 6.23 min Scan# 501

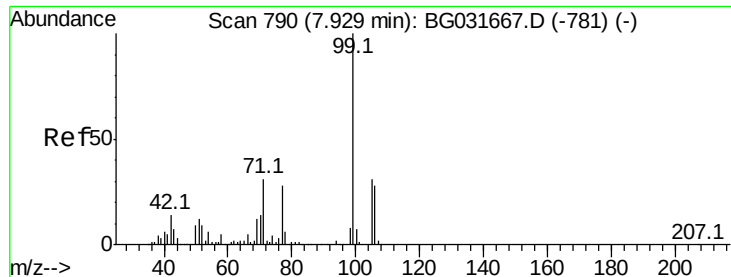
Delta R.T. -0.02 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Tgt Ion:	112	Resp:	422263
Ion Ratio	Lower	Upper	
112	100		
64	49.3	56.3	84.5#
63	26.5	30.1	45.1#





#7

Phenol-d6

Concen: 125.071 ng

RT: 7.91 min Scan# 787

Delta R.T. -0.02 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Instrument :

BNA_G

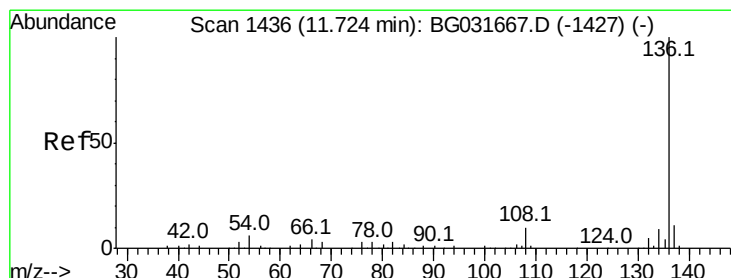
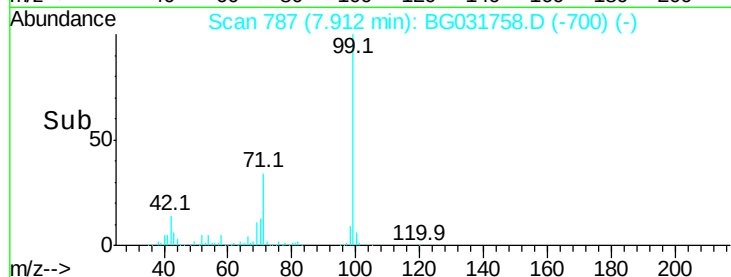
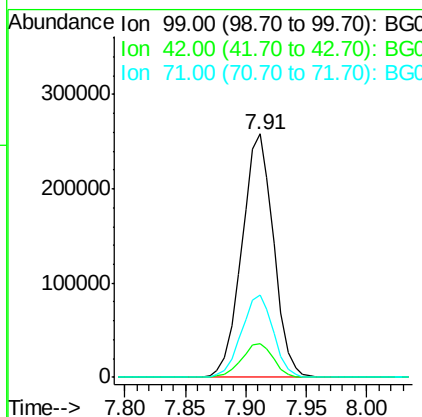
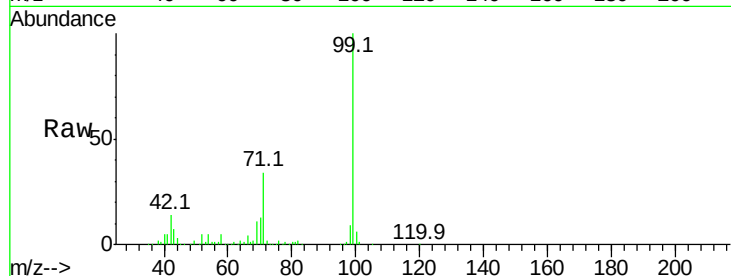
ClientSampleId :

VNJ-221-OILY-STONES

Tot Ion:	99	Resp:	471445
Ion Ratio	Lower	Upper	
99	100		
42	13.7	14.1	21.1#
71	33.8	26.1	39.1

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#21

Naphthalene-d8

Concen: 20.000 ng

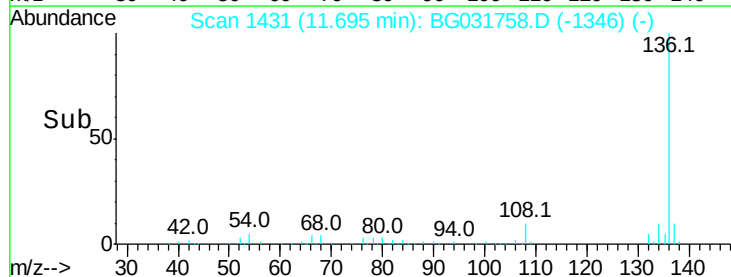
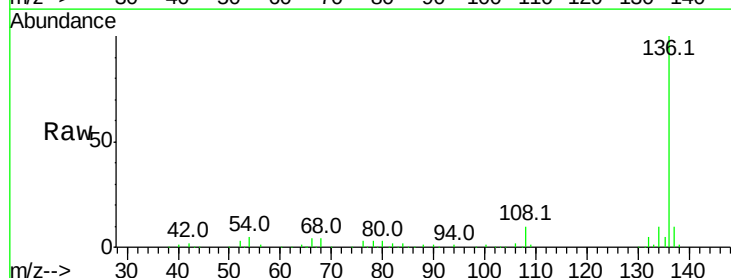
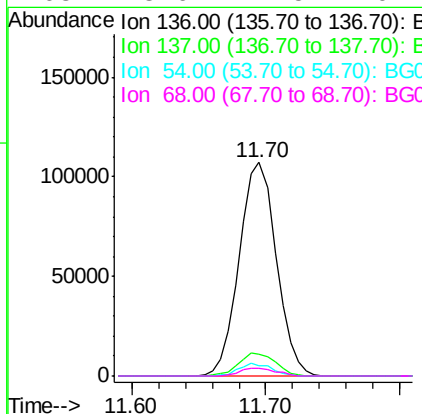
RT: 11.70 min Scan# 1431

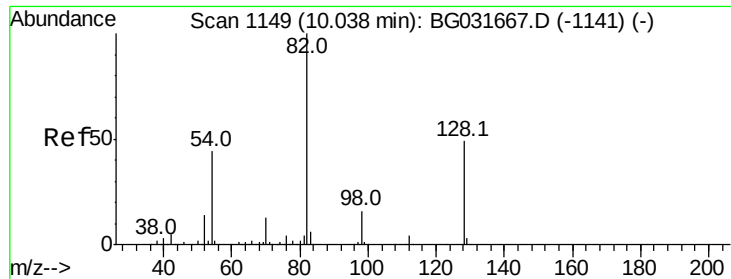
Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Tgt Ion:	136	Resp:	206511
Ion Ratio	Lower	Upper	
136	100		
137	10.3	9.2	13.8
54	5.0	10.3	15.5#
68	3.6	4.5	6.7#





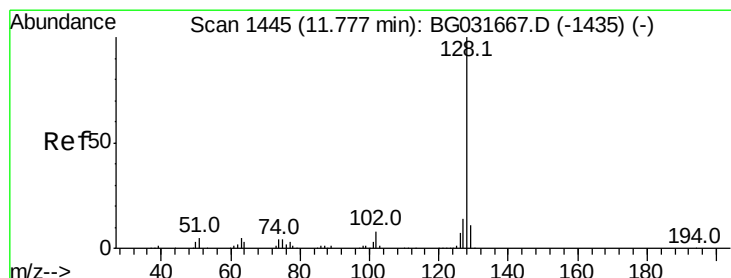
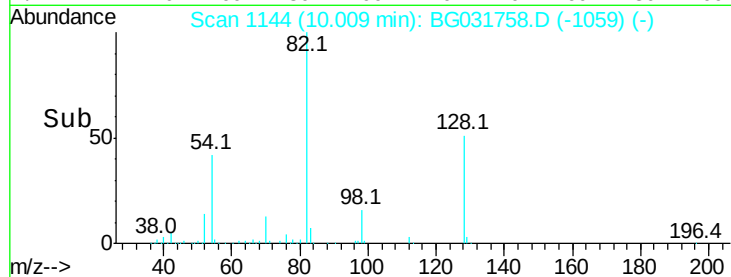
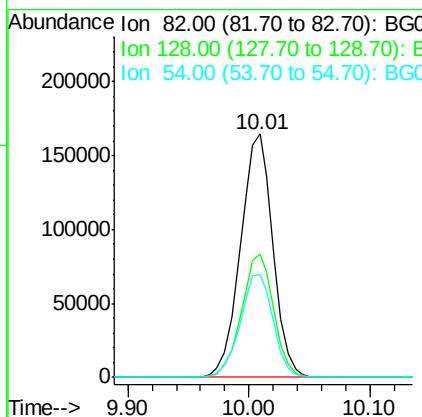
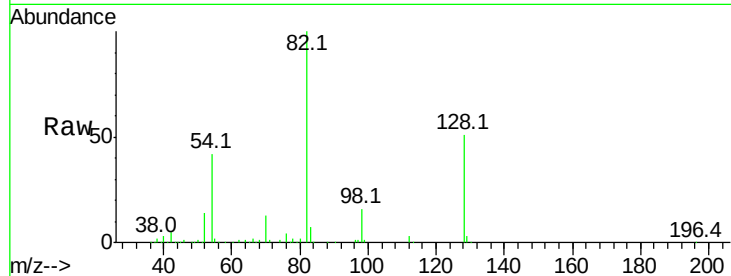
#23
Nitrobenzene-d5
Concen: 111.993 ng
RT: 10.01 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BG031758.D
Acq: 26 Dec 2017 12:52

Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.8	29.7	44.5#
54	42.0	43.1	64.7#

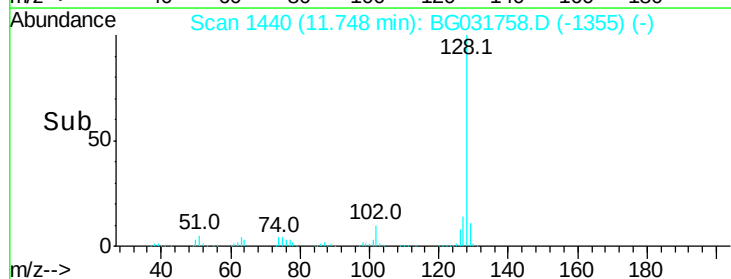
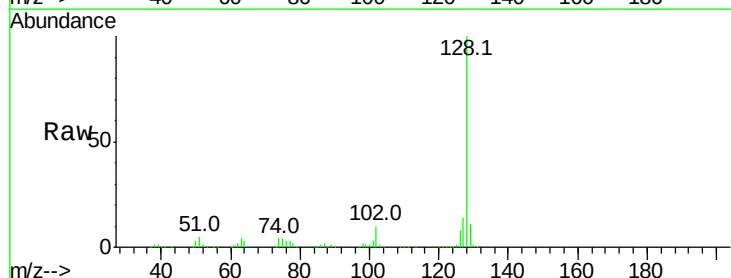
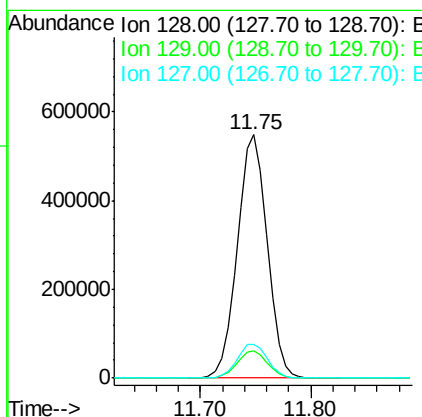
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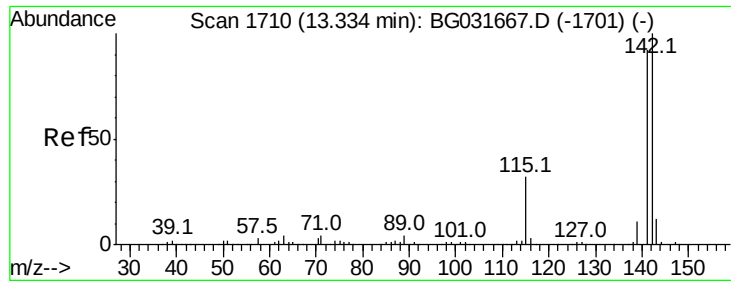
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#31
Naphthalene
Concen: 99.758 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG031758.D
Acq: 26 Dec 2017 12:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	12.8
127	13.9	11.6	17.4





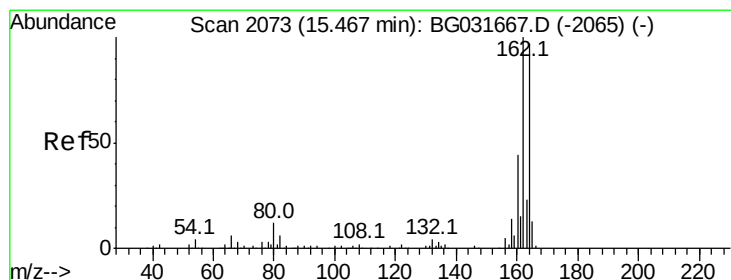
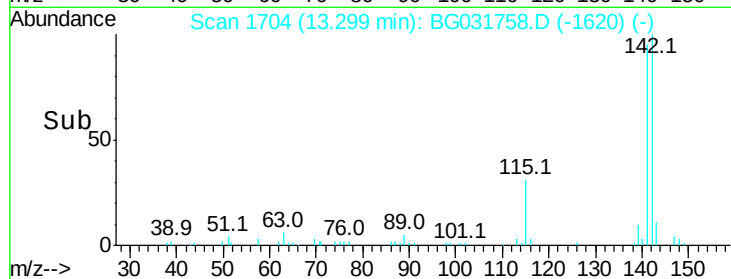
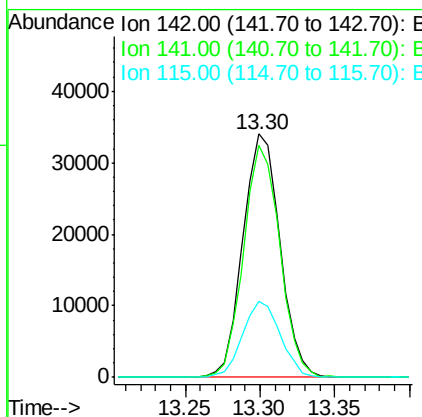
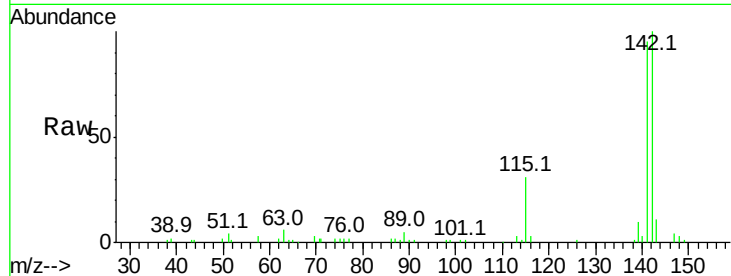
#37
2-Methylnaphthalene
Concen: 6.919 ng
RT: 13.30 min Scan# 1704
Delta R.T. -0.03 min
Lab File: BG031758.D
Acq: 26 Dec 2017 12:52

Instrument :
BNA_G
ClientSampleId :
VNJ-221-OILY-STONES

Tot Ion	Ratio	Lower	Upper
142	100		
141	95.1	67.1	100.7
115	31.2	30.7	46.1

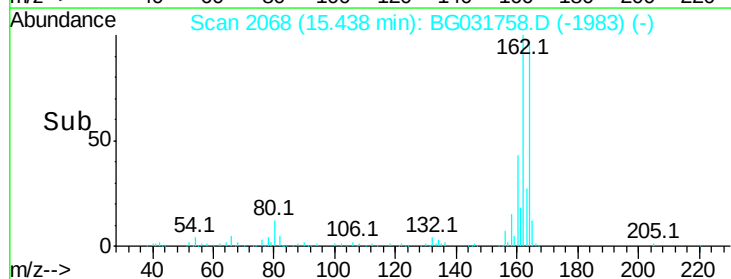
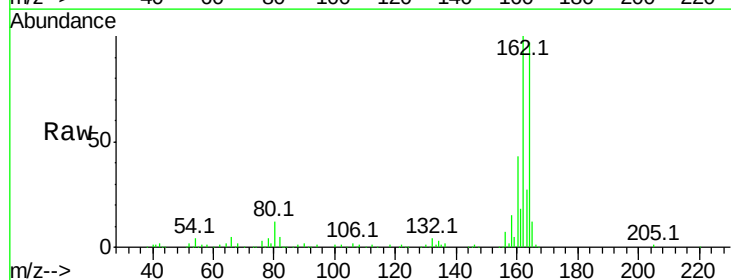
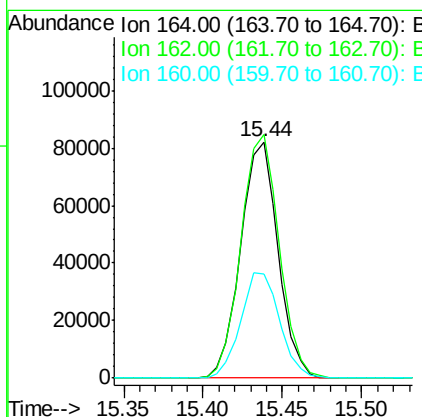
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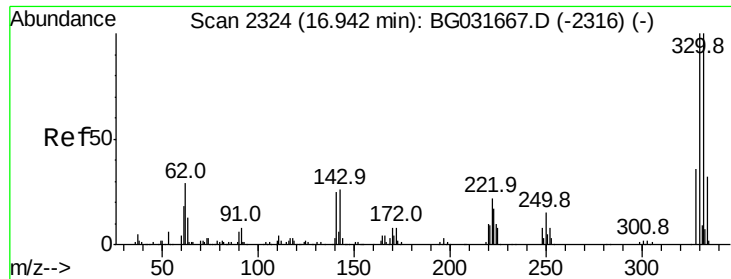
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.44 min Scan# 2068
Delta R.T. -0.03 min
Lab File: BG031758.D
Acq: 26 Dec 2017 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	78.8	118.2
160	44.2	35.4	53.0





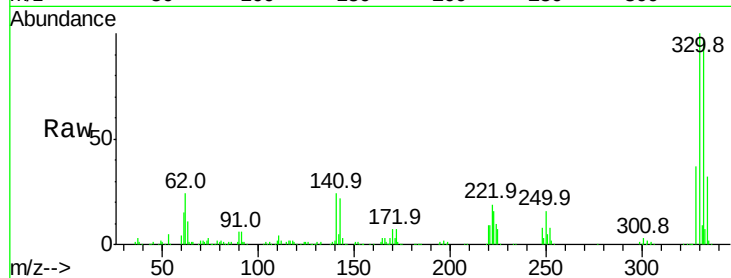
#41
 2,4,6-Tribromophenol
 Concen: 185.246 ng
 RT: 16.91 min Scan# 2319
 Delta R.T. -0.03 min
 Lab File: BG031758.D
 Acq: 26 Dec 2017 12:52

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-221-OILY-STONES

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	25.4	25.2	37.8

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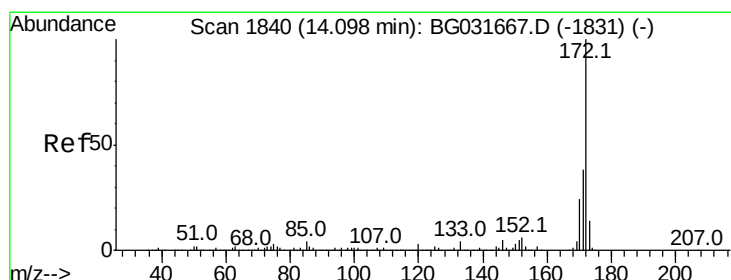
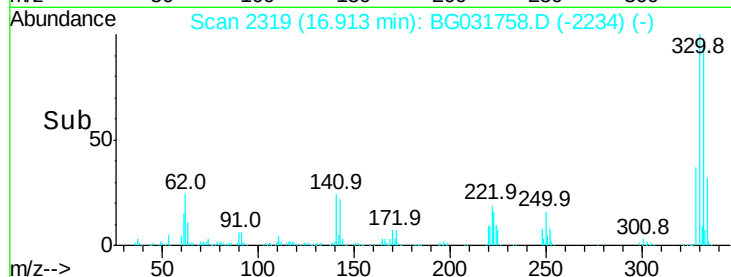
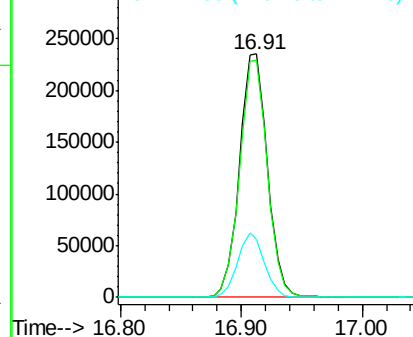


Abundance

Ion 329.80 (329.50 to 330.50): E

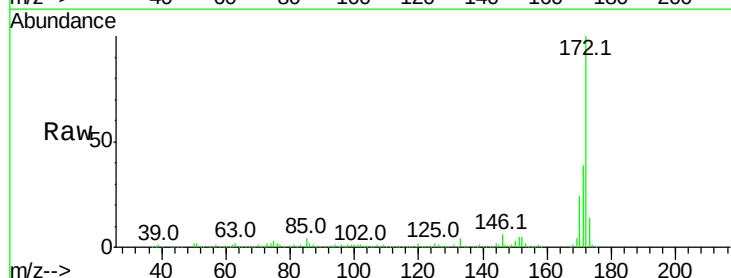
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 100.811 ng
 RT: 14.07 min Scan# 1835
 Delta R.T. -0.03 min
 Lab File: BG031758.D
 Acq: 26 Dec 2017 12:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	30.0	45.0
170	23.9	19.5	29.3

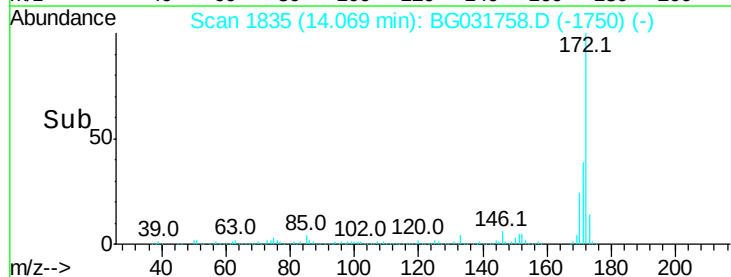
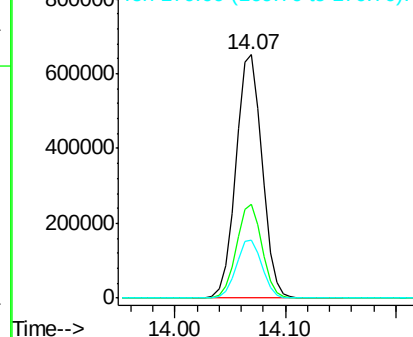


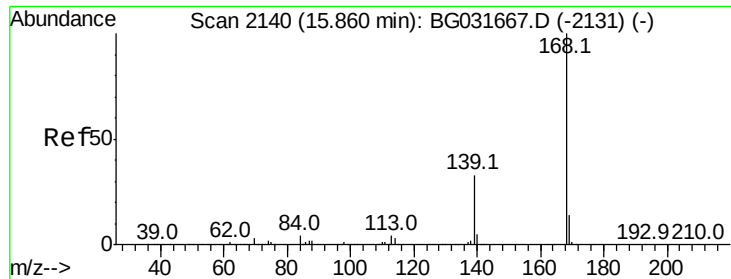
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#54

Dibenzenofuran

Concen: 2.525 ng

RT: 15.83 min Scan# 2134

Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Instrument :

BNA_G

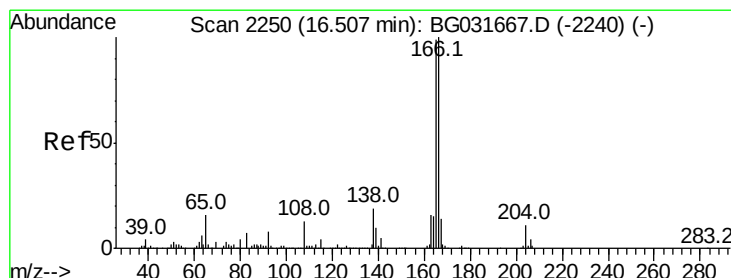
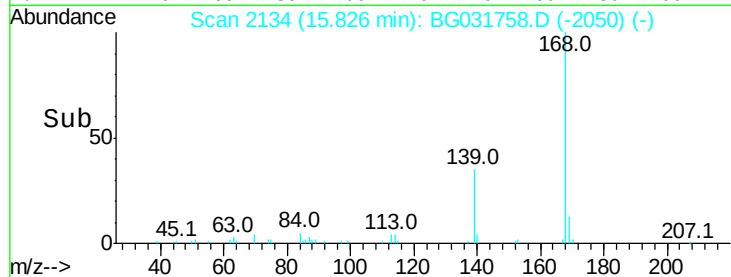
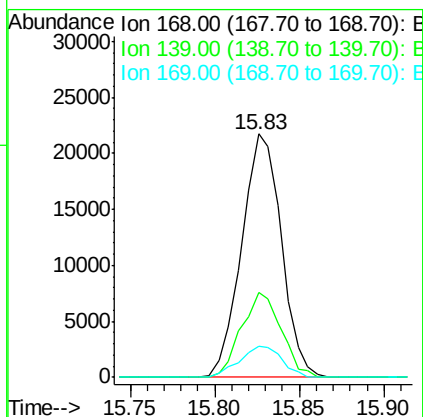
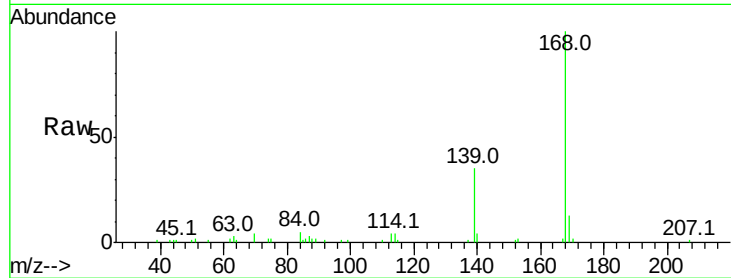
ClientSampleId :

VNJ-221-OILY-STONES

Tot Ion:	168	Resp:	35537
Ion Ratio	Lower	Upper	
168	100		
139	34.7	28.6	43.0
169	12.5	11.2	16.8

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#57

Fluorene

Concen: 2.893 ng

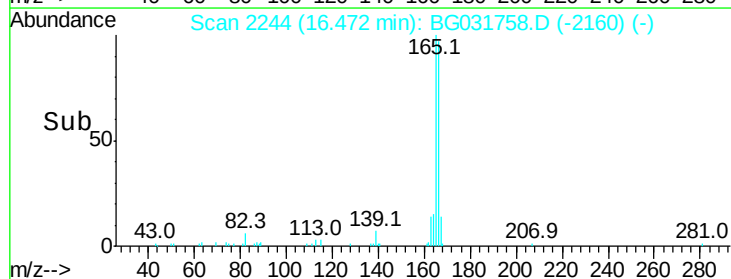
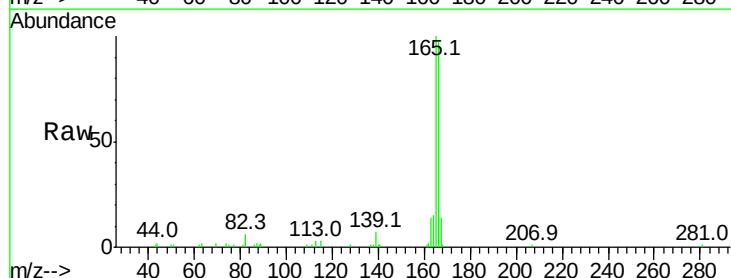
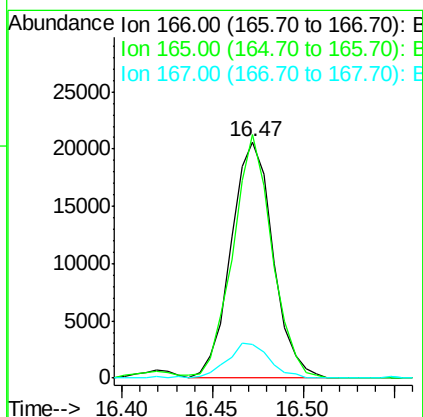
RT: 16.47 min Scan# 2244

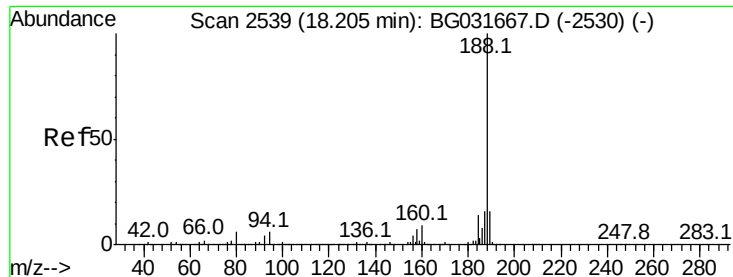
Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Tgt Ion:	166	Resp:	33085
Ion Ratio	Lower	Upper	
166	100		
165	103.1	80.6	121.0
167	14.5	10.4	15.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.17 min Scan# 2533

Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Instrument :

BNA_G

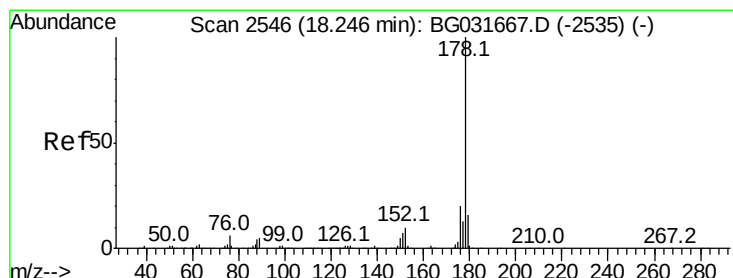
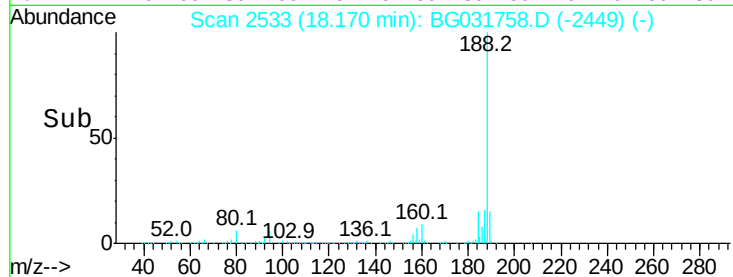
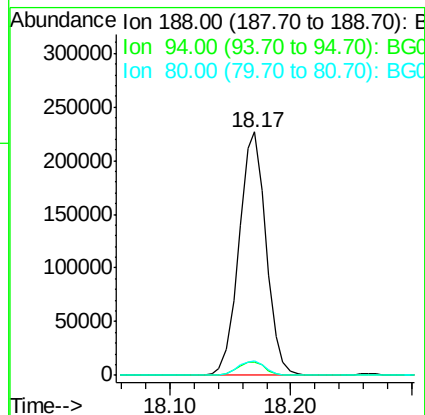
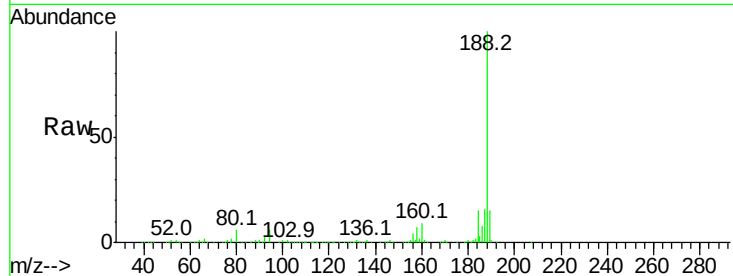
ClientSampleId :

VNJ-221-OILY-STONES

Tot Ion:	188	Resp:	353176
Ion Ratio	Lower	Upper	
188	100		
94	5.6	6.9	10.3#
80	5.7	7.7	11.5#

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#70

Phenanthrene

Concen: 2.901 ng

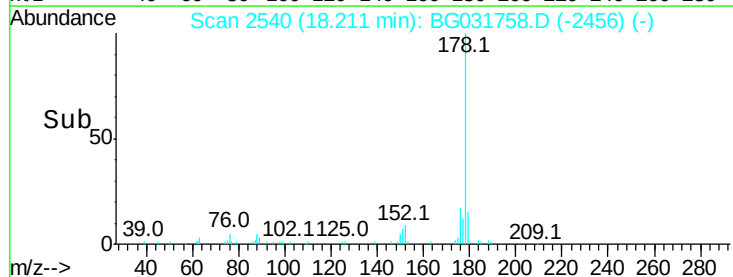
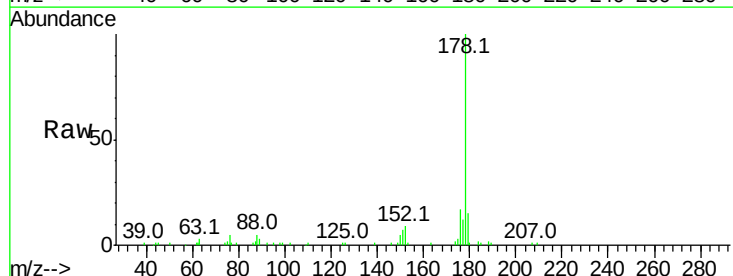
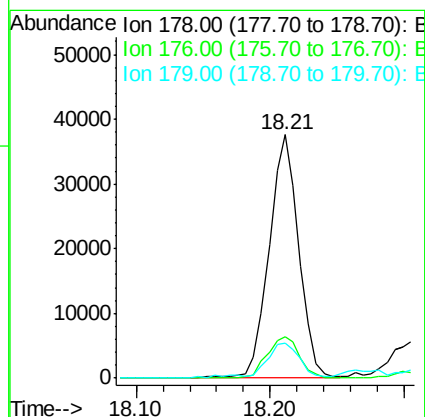
RT: 18.21 min Scan# 2540

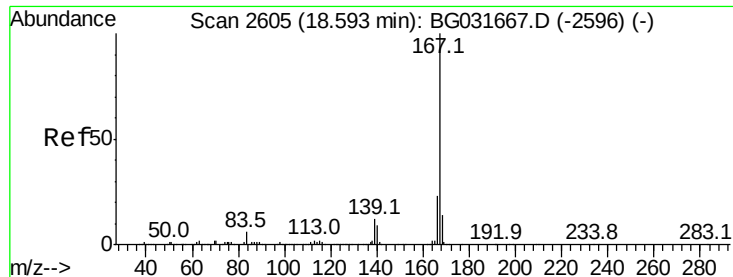
Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Tgt Ion:	178	Resp:	57991
Ion Ratio	Lower	Upper	
178	100		
176	17.2	15.7	23.5
179	14.6	12.5	18.7





#72

Carbazole

Concen: 2.515 ng

RT: 18.56 min Scan# 2599

Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Instrument :

BNA_G

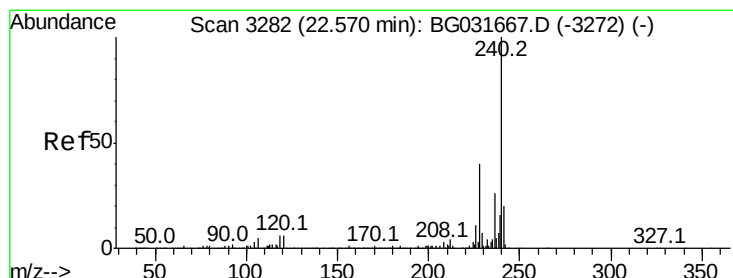
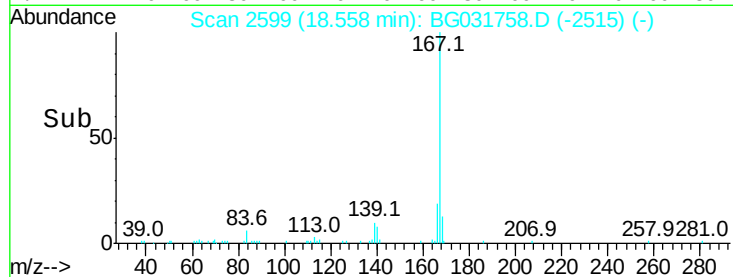
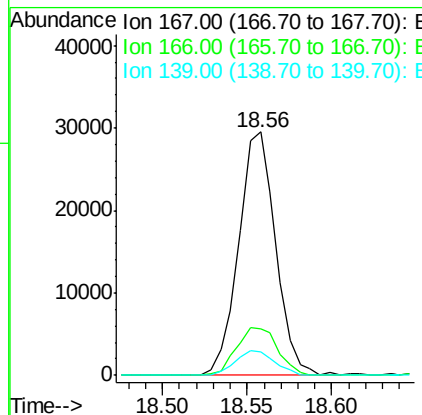
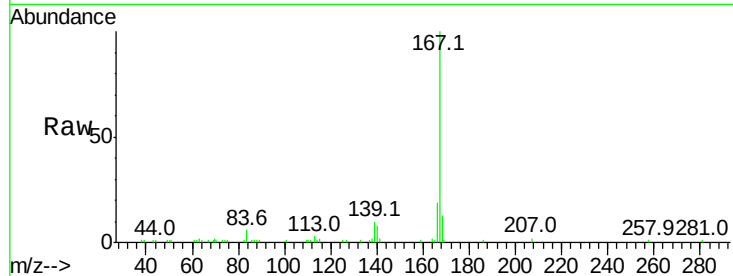
ClientSampleId :

VNJ-221-OILY-STONES

Tot Ion:	167	Resp:	44877
Ion Ratio	Lower	Upper	
167	100		
166	19.1	18.2	27.4
139	9.9	9.4	14.2

Manual Integrations
APPROVED

Sohil
12/27/2017 1:56:42 PM



#75

Chrysene-d12

Concen: 20.000 ng

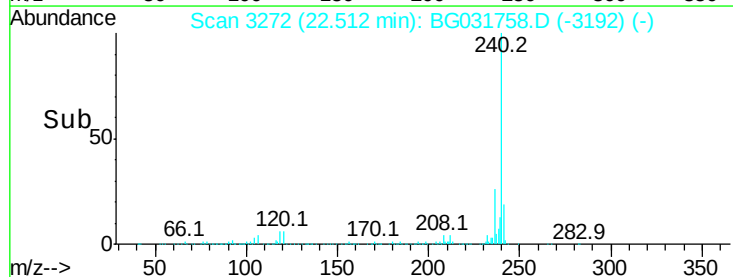
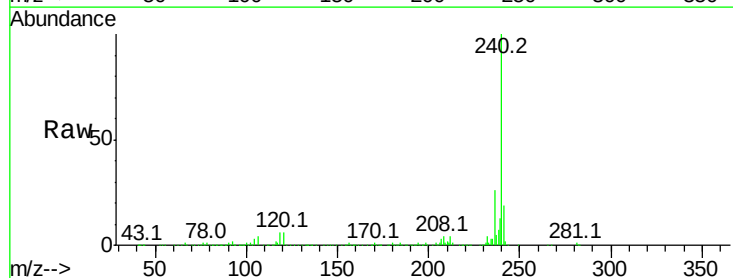
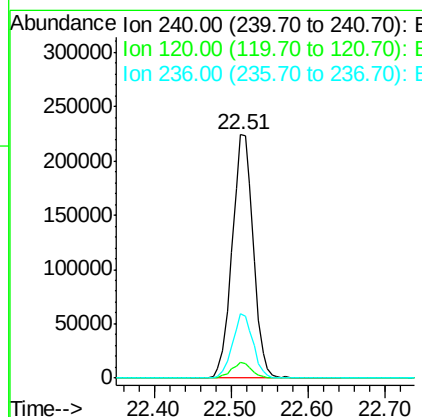
RT: 22.51 min Scan# 3272

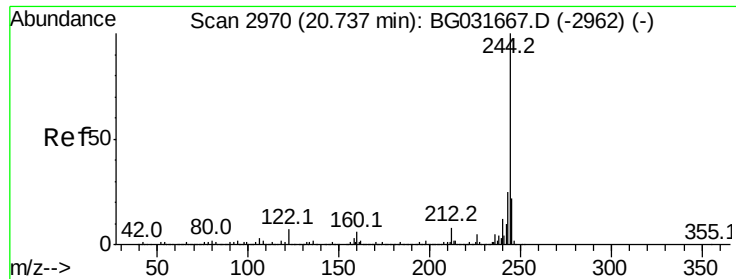
Delta R.T. -0.06 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Tgt Ion:	240	Resp:	430167
Ion Ratio	Lower	Upper	
240	100		
120	6.4	6.8	10.2#
236	26.3	20.9	31.3





#78

Terphenyl-d14

Concen: 109.066 ng

RT: 20.70 min Scan# 2964

Delta R.T. -0.03 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Instrument :

BNA_G

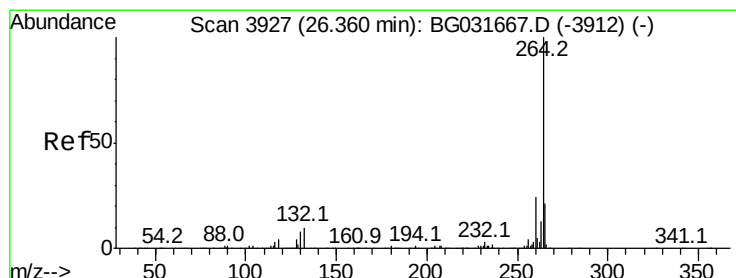
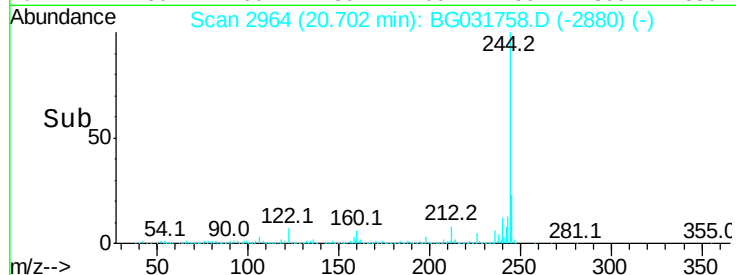
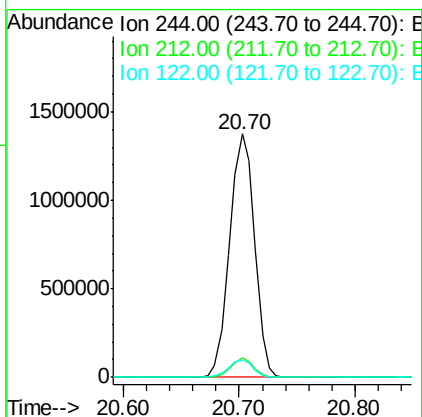
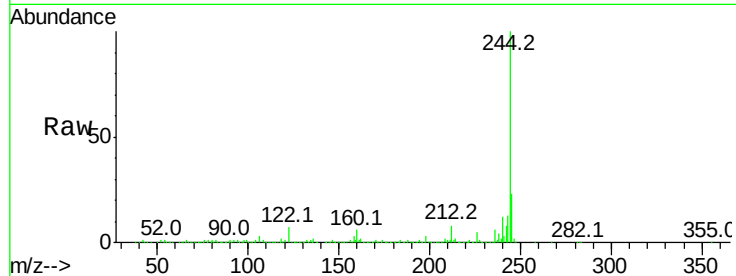
ClientSampleId :

VNJ-221-OILY-STONES

Tot Ion:	244	Resp:	2053567
Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	7.2	7.0	10.4

Manual Integrations
APPROVED

Sohil
12/27/2017 1:56:42 PM



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.27 min Scan# 3911

Delta R.T. -0.09 min

Lab File: BG031758.D

Acq: 26 Dec 2017 12:52

Tgt Ion:	264	Resp:	453478
Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.4	26.0
265	21.7	17.7	26.5

